

## STATE EXPERT APPRAISAL COMMITTEE (SEAC)

**::MEGHALAYA::**

Silviculture Building Adjacent to 'SYLVAN' House,  
Lower Lachumiere, East Khasi Hills, Shillong – 793001.

**MINUTES OF 74<sup>th</sup> MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE,  
MEGHALAYA SHILLONG HELD ON 9<sup>th</sup> February 2024, FOR ENVIRONMENTAL APPRAISAL  
OF NON-COAL MINING PROJECTS**

**Members of the Committee present:**

Sl.No	Name	Designation	Signature
1	Shri. Nababrata Bhattacharjee	Chairman SEAC	-Sd-
2	Shri. Millanburg R. Sangma	Member	
3	Dr. Highland Kayang	Member	-Sd-
4	Shri. Gideon Lamborlang Kharkongor	Member	-Sd-
5	Shri. Pynbiang Singh Nongbri	Member	-Sd-
6	Dr. Shiva Shankar Chaturvedi	Member	-Sd-
7	Dr. (Mrs) Van Jennifer Joan Wallang	Member	-Sd-
8	Smti H.Lato, IFS	Member Secretary SEAC	-Sd-

o/c.

The 74<sup>th</sup> meeting of State Expert Appraisal Committee (SEAC), Meghalaya, Shillong, held on 9<sup>th</sup> February 2024 from 12.00 PM onwards in the Conference Hall, office of the Principal Chief Conservator of Forests & PHoFF, Meghalaya, Lower Lachumiere, Shillong – 793001, through hybrid method. At the outset the Chairman Shri. Nababrata Bhattacharjee, welcomed all the members of the Committee present and called the meeting to order. He requested the Member Secretary to initiate the discussion as per the agenda circulated vide letter No.ML/SEAC/Meeting/Vol-VI/1/2024/3/604 dated Shillong, the 8<sup>th</sup> February, 2024, accordingly. All proposed mining areas are cross checked through google earth.

**1. Confirmation of the minutes of the 73<sup>rd</sup> Meeting held on 18<sup>th</sup> and 19<sup>th</sup> January 2024.**

The minutes were confirmed.

**2. Action taken report as per the decision taken in the 73<sup>rd</sup> Meeting.**

As per the decision taken in the 73<sup>rd</sup> Meeting of the State Expert Appraisal Committee held on 18<sup>th</sup> and 19<sup>th</sup> January 2024, (3) three proposals for Environmental Clearance, and (1) one proposal for ADS were recommended to the State Environment Impact Assessment Authority, Meghalaya.

## ENVIRONMENTAL CLEARANCE

### I. Proposal No.SIA/ML/MIN/454223/2023 submitted by Shri. Efficiency Pyrngap.

The Project Proponent, **Shri. Efficiency Pyrngap submitted** online application vide proposal No.SIA/ML/MIN/454223/2023 for Environmental Clearance for mining of limestone for an area of 1.95 hectares. The proposal is for mining of lime stone to be used for construction purposes. The project falls under Schedule (a) of category B2 of EIA Notification 2006. The mining lease area is located at Khorhati, Shnongrim Village, East Jaintia Hills District, Meghalaya and toposheet No. G46O11 within the following GPS Coordinates:

Pillar No	GPSCoordinates	
	Latitude	Longitude
1	25° 19'27.5"N	92°32'24.5"E
2	25° 19'29.3"N	92°32'30.6"E
3	25° 19'28.5"N	92°32'31.6"E
4	25° 19'27.8"N	92°32'32.8"E
5	25° 19'25.7"N	92°32'32.1"E
6	25° 19'25.1"N	92°32'31.8"E
7	25° 19'24.0"N	92°32'30.9"E





The proposed land belongs to the project proponent vide Land Holding Certificate issued by the Jaintia Hills Autonomous District Council, Jowai vide MemoNo.JHADDC/REV/LHC/12/109/2018 dated Jowai, the 17<sup>th</sup> December 2018.

The applied area is a Non-Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/IR/LS/FC/2021-22/985/B/1497, dated Jowai, the 16<sup>th</sup> December 2021 and Letter of Intent vide letter No.JH/EP/M.L/L.S/2022-23/B/1604 dated Jowai, the 11<sup>th</sup> January 2022 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/77/MM/Mining Plan/2022-2023/27 dated Jowai, the 8<sup>th</sup> February 2023 which states that there is no approved mining plan lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/77/MM/Mining Plan/2022-23/26 dated Jowai, the 30<sup>th</sup> January 2023. The Mining Plan has been prepared to extract lime stone at the rate of 2,08,725 MTPA with a project cost of Rs.23.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone are of the order of 8,35,300 MT. The production in the period of the mining plan will be around 8,34,850 MT in 4 years. Therefore, the balance reserves will be  $(835300 - 834850) = 450$  MT. If the production target is 208725 MT, the balance reserve will be sufficient for  $450/208725 = 0.002$  years. Thus, the total life of the mine is  $4 + 0.002 = 4.002$  or say 4 years.

### **Recommendation**

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has expired.



2. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
3. Condition with respect to application for seeking approval for felling of 13 numbers of trees as mentioned in the Non-Forest Land Certificate which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/IR/LS/FC/2021-22/985/B/1497, dated Jowai, the 16<sup>th</sup> December 2021 should be fulfilled.
4. A retaining wall of adequate height not less than 6 ft above the ground level and 4-6 ft below the ground level is to be constructed within mining site for stacking of Over Burden (OB) which needs to be relocate towards the south at a location of 25° 19'24.22"N and 92°32'30.80"E, to ensure that no debris etc. overflows to adjoining land/agricultural field.
5. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
6. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
7. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
8. To increase the allocation for plantation and maintenance to a minimum of Rs.1 lakh per annum and increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining operation and the types of species should be as per the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1<sup>st</sup> and 2<sup>nd</sup> year of the planed period.
9. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.





10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
11. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
12. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.



## **II. Proposal No.SIA/ML/MIN/458778/2024 submitted by Shri. Kevin Carlson Shabong**

The Project Proponent, Shri.Kevin Carlson Shabongsubmitted online application vide proposal No.SIA/ML/MIN/458778/2024 for Environmental Clearance for Granite Mine for mining of granite for an area of 4.91 hectares. The proposal is for mining of granite to be used for buildings, bridges, paving, monuments and many other exterior projects. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Mawkarah Village, Eastern West Khasi Hills District, Meghalayaand toposheet No. G46N10 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 46' 38.776''N	91° 31' 5.835''E
2	25° 46' 38.647''N	91° 31' 0.394''E
3	25° 46' 48.776''N	91° 30' 59.704''E
4	25° 46' 48.758''N	91° 31' 5.615''E

The proposed land is on lease vide Lease Agreement which was executed on the 22<sup>nd</sup> May 2023 at Shillong and certified by the Public Notary, East Khasi Hills, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Chief Conservator of Forests (T), Meghalaya, Shillong vide letter No.MFG.39/42/NFLC/MINING/MMMCR/KH/Pt.III/6957, dated Shillong, the 14<sup>th</sup>August, 2023 and letter of Intent by the Divisional Forest Officer, Social Forestry & Territorial Division, West & South West Khasi Hills, vide letter No.T/W&SW/ML/23-24/262/745, dated Nongstoin, the22<sup>nd</sup>August, 2023.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/188/2023/12 dated Shillong, the 16<sup>th</sup>January 2024 which states that there is no approved mining plan lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.



The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Director of Mineral Resources, Meghalaya vide letter No.DMR/MM/188/2023/06 dated Shillong, the 13<sup>th</sup> December 2023. The Mining Plan has been prepared to extract granite at the rate of 200070 MTPA with a project cost of Rs.24.5lakhs and the operations will be semi-mechanized, opencast method of mining.

As per the approved mining plan, the mineable reserves of granite are of the order of 18,19,180 MT. The production in the period of this mining plan will be around 7,00,164 MT in 5 years. Balance reserves will be  $18,19,180 - 7,00,164 = 11,19,016$  MT. If the production target is 2,00,070 MT, the balance reserve will be sufficient for  $11,19,016 / 2,00,070 = 5.59$  years. Thus, total life of the mine is  $5 + 5.59 = 10.59$  or say 11 years approximately.

### **Recommendation**

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
2. A retaining wall of adequate height not less than 6 ft above the ground level and 4-6 ft below the ground level is to be constructed within mining site for stacking of Over Burden (OB). Because of the steep gradient of the proposed mining site, the retaining wall, however, should be higher towards the southern part to ensure that no debris etc. overflows to adjoining land/agricultural field.
3. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.





4. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
5. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
6. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
7. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1<sup>st</sup> and 2<sup>nd</sup> year of the planed period.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
11. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
12. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.





### III. Proposal No.SIA/ML/MIN/460795/2024 submitted by Uranus Stone Products & Co.

The Project Proponent, **Uranus Stone Products & Co.** submitted online application vide proposal No.SIA/ML/MIN/460795/2024 for re-appraisal and grant of fresh Environmental Clearance for mining of boulder stone for an area of 4.96 hectares. The proposal is for mining of boulder stone use for construction purposes; hence the project fall under Schedule 1(a) of category B1 of EIA Notification 2006. The mining lease area is located at Umduba Village, Raid Marwet, P.O Killing, P.S Khanapara, Ri Bhoi District, Meghalaya and No. G46H16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	26° 04' 16.59" N	91°49' 35.66"E
2	26° 04' 16.56" N	91°49' 34.26"E
3	26° 04' 15.30" N	91°49' 29.25"E
4	26° 04' 13.62" N	91°49' 29.92"E
5	26° 04' 12.54" N	91°49' 31.33"E
6	26° 04' 10.49" N	91°49' 32.21"E
7	26° 04' 08.98" N	91°49' 33.38"E
8	26° 04' 08.49" N	91°49' 35.66"E
9	26° 04' 09.32" N	91°49' 37.13"E
10	26° 04' 11.51" N	91°49' 38.45"E
11	26° 04' 13.38" N	91°49' 39.47"E
12	26° 04' 12.92" N	91°49' 37.42"E
13	26° 04' 15.78" N	91°49' 36.85"E

The proposed mining land is on lease for a period of 30 years vide Lease Deed made on the 8<sup>th</sup> September 2016 certified by District Registrar, Ri Bhoi District, Nongpoh, Meghalaya.



The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills (T) Division, Shillong vide letter No.KH/9/NOC/Stone Quarry/41/Pt.II/2104, dated Shillong, the 6<sup>th</sup> July, 2017 with a corrigendum of the Non-Forest Land Certificate in respect of the co-ordinates vide letter No.KH/9/NOC/STONE/41/Pt.VI/5531, dated Shillong, the 6<sup>th</sup> December 2019 and letter of Intent vide letter No.KH/8/ML/Stone/69/2405 dated Shillong, the 12<sup>th</sup> July 2017 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/45/2017/85 dated Shillong, the 6<sup>th</sup> July 2023 as well as a Functional Status of Cluster Certificate from the office of the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division, Shillong vide letter No.KH/8/NOC/USP& Co./154/3314, dated Shillong, the 19<sup>th</sup> September 2023 which states that there is one (1) approved functional mine lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of these two mines is summed up to 6.65 hectares.

The project proponent submitted modification of Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR-/MM/45/2017/81 dated Shillong, the 9<sup>th</sup> June 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 231347 TPA with a project cost of Rs.48.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of boulder stone are of the order of 1495520 MT. The production in the period of the mining plan will be around 750700 MT in 5 years. Therefore, the balance reserves will be (1495520 - 750700) or 744820 MT. If the production target is 150140MT, the balance reserve will be sufficient for (744820 /150140) or 4.96 years. Thus, the total life of the mine is 5+4.96=9.96 years.

The project was already awarded Environmental Clearance by the District Environment Impact Assessment Authority, Ri Bhoi District, Meghalaya vide letter No.DCRB( LR) 24/2017/Rev/573/1832 dated Nongpoh the 18<sup>th</sup> October 2017 and also obtained a detail statement of royalty from the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division vide letter No.KH/8/USP& Co./154/3659 dated Shillong, the 9<sup>th</sup> October, 2023.





The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/RB/P-367/2023/675 dated 21<sup>st</sup> November 2023 and submitted the final EIA/EMP for the proposed Mining of boulder stone where the project proponent complied all the points in compliance to the Term of Reference prepared by COGNIZANCE RESEARCH INDIA PRIVATE LTD.The public hearing was held on 30<sup>th</sup> January 2024 which was conducted by the Meghalaya State Pollution Control Board and presided over by Smti. B. Rane, MCS, ADC, Ri-Bhoi District.

### **Recommendation**

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
2. A retaining wall of adequate height not less than 6 ft above the ground level and 4-6 ft below the ground level is to be constructed within mining site for stacking of Over Burden (OB), to ensure that no debris etc. overflows to adjoining land/agricultural field.
3. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
4. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
5. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.



6. To increase the allocation for plantation and maintenance to a minimum of Rs.5 lakh per annum and increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining operation and the types of species should be as per the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1<sup>st</sup> and 2<sup>nd</sup> year of the planed period.
7. In annual EMP budget under CER, an addition capital cost should be allocated for Water treatment and filtration plant for nearby villages, contribution towards plantation in nearby villages by creating Community Nurseries for free distribution of seedlings. Budget under said head stands revised accordingly.
8. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
9. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
10. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
11. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
12. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers





## TERMS OF REFERENCE (TOR)

### I. Proposal No.SIA/ML/MIN/459827/2024 submitted by Smt.Thiangmon Pohtam.

The Project Proponent, **Smt.Thiangmon Pohtam** submitted online application for re-appraisal and grant of fresh Term of Reference vide proposal No.SIA/ML/MIN/459827/2024 for Amsyndui Limestone Mine for mining of limestone for an area of 4.10 hectares. The proposal is for mining of lime stone to be used for construction purposes. The project falls under Schedule I (a) of category B2 of EIA Notification 2006. The mining lease area is located at Amsyndui, Nongtalang, West Jaintia Hills District, Meghalaya and toposheet No.G46O4 within the following GPS Coordinates:

Pillar No	GPSCoordinates	
	Latitude	Longitude
1	25° 13'30.16"N	92° 05'05.53"E
2	25° 13'28.63"N	92° 05'02.37"E
3	25° 13'27.92"N	92° 05'00.37"E
4	25° 13'26.97"N	92° 04'59.12"E
5	25° 13'27.46"N	92° 04'57.36"E
6	25° 13'29.73"N	92° 04'54.91"E
7	25° 13'30.46"N	92° 04'54.44"E
8	25° 13'31.27"N	92° 04'54.83"E
9	25° 13'34.05"N	92° 04'55.87"E
10	25° 13'33.65"N	92° 05'00.89"E
11	25° 13'31.08"N	92° 05'04.54"E

The proposed land is on lease vide Deed of Lease which was executed on the 23<sup>rd</sup> December 2015 and certified by the Sub-Registrar, Amlarem, Jaintia Hills, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/S.Quarry/2009-10/476/B/1097, dated Jowai, the 1<sup>st</sup> November 2017 and Letter of Intent vide letter No.JH/MMMCR-2016/2016-17/869/B/1114 dated Jowai, the 1<sup>st</sup> November 2017 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/88/MM/M.Scheme/LS/2023-2024/19 dated Jowai, the 17<sup>th</sup> January 2024 which states that there are six (6) approved mines lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of these seven mines is summed up to 28.34 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/88/MM/M.Scheme/LS/2023-24/18 dated Jowai, the 17<sup>th</sup> January 2024. The Mining Plan has been prepared to extract lime stone at the rate of 3,69,280 MTPA with a project cost of Rs.60.70 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone are of the order of 18,38,295 MT. The production in the period of the mining plan will be around 16,00,000 MT in 4 years. Therefore, the balance reserves will be  $(1838295 - 1600000) = 238295 \text{ MT}$ . If the production target is 400000 MT, the balance reserve will be sufficient for  $238295/400000 = 0.59$  years. Thus, the total life of the mine is  $4 + 0.59 = 4.59$  or say 5 years.

The project was already awarded Environmental Clearance by the Deputy Commissioner, West Jaintia Hills District, Meghalaya cum Chairman, DEIAA, West Jaintia Hills District, Jowai vide letter No.GEN-195/Mining Plan/OPohtam/2018/102 dated Jowai the 15<sup>th</sup> March 2018.

### **Recommendation**

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Terms of Reference with the following conditions.

1. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.





2. LOI ought to be renewed as the validity has expired.
3. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
4. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
5. Plagiarism check certificate for EIA/EMP report has to be furnished.
6. Source of data taken from external sources is to be mentioned clearly.

A handwritten signature in blue ink, consisting of stylized, overlapping loops and strokes, positioned below the list of conditions.

**PROPOSALS THAT WERE GIVEN ADDITIONAL DETAILS SOUGHT (ADS) IN THE PREVIOUS MEETING OF SEAC:**

**I. Proposal No.SIA/ML/MIN/429368/2023 submitted by Shri. Tiwin B. Marak**

The Project Proponent, Shri. Tiwin B. Marak submitted online application for Environmental Clearance vide proposal No:SIA/ML/MIN/429368/2023 for Samanda A. King Boulder Stone for mining of boulder stone for an area of 1.81 hectares. The proposal is for mining of boulder stone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Samanda Warima A.king, East Garo Hills District, Meghalaya and toposheet No.G46M10 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 34'6.14''N	90° 30'18.96''E
2	25° 34'8.86''N	90° 30'19.57''E
3	25° 34'11.19''N	90° 30'26.04''E
4	25° 34'7.03''N	90° 30'25.32''E

The proposed mining area belongs to the Project Proponent vide Affidavit/Declaration made on the 24<sup>th</sup> February 2023 certified by Public Notary, East Garo Hills, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East & North Garo Hills Territorial Division, Williamnagar vide letter No.B/16/IV/Z-A/7-14 dated Williamnagar, the 6<sup>th</sup> January, 2023 and Letter of Intent vide letter No.B/16/IV/Z-A/91, dated Williamnagar, the 23<sup>rd</sup> January, 2023 respectively.

The project proponent obtained a cluster certificate from the Division Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2023/19 dated Williamnagar, the 5<sup>th</sup> May 2023 which states that there is no approved mining plan lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.





The project proponent submitted the approved Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills, Williamnagar, Meghalaya vide letter No.DMO\_W/MP/94/2023/121 dated Williamnagar the 25<sup>th</sup> April, 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 150020 MTPA with a project cost of Rs.17.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of stone are of the order of 610370 Tons. The production in the period of the mining plan will be around 600050 MT in 5 years. Therefore, the balance reserves will be (610370-600050) or 10320 MT. If the production target is 150020 MT, the balance reserve will be sufficient for  $(10320 / 150020) = 0.06$  years. Thus, the total life of the mine is  $5+0.06=5.06$  or say 5 years.

In response to the ADS raised by the committee in the 68<sup>th</sup> meeting of the State Expert Appraisal Committee, the project proponent has furnished clarification from the Divisional Forest Officer, East & North Garo Hills (T) Division, Williamnagar vide Letter No. CSB/22/2/2120 dated Williamnagar, the 20<sup>th</sup> December ,2023. However, the mentioned letter was addressed to M/S Midas Construction and not to the applied project proponent and also does not justify the condition raised by the committee.

### **Recommendation**

In response to the ADS raised by the committee in the 68<sup>th</sup> meeting of the State Expert Appraisal Committee, the project proponent has furnished clarification from the Divisional Forest Officer, East & North Garo Hills (T) Division, Williamnagar vide Letter No. CSB/22/2/2120 dated Williamnagar, the 20<sup>th</sup> December ,2023. However, the mentioned letter was addressed to M/S Midas Construction and not to the applied project proponent and also does not justify the condition raised by the committee. As such, the committee unanimously recommended for another ADS to the Project Proponent to obtain written justification from the concerned department which is at variance with specifications of Meghalaya Minor Minerals Concession Rules, 2016, amended 21<sup>st</sup> September, 2020).



## **II. Proposal No.SIA/ML/MIN/435674/2023 submitted by Smti. Marsilla Ch. Sangma**

The Project Proponent, Smti. Marsilla Ch. Sangma submitted online application vide proposal No. SIA/ML/MIN/435674/2023 for Terms of Reference for Rochonpara Stone Mine for mining of boulder stone for an area of 1.10 hectares. The proposal is for mining of boulder stone use for construction purposes; hence the project fall under Schedule 1(a) of category B1 of EIA Notification 2006. The area is located at located at Rochonpara, P.O. Dhanua, West Garo Hills District, Meghalaya and toposheet No. G45R14 with the following GPS Coordinates:

<b>Pillar No</b>	<b>GPS Coordinates</b>	
	<b>Latitude</b>	<b>Longitude</b>
1	25° 41' 14.62"N	89° 56' 24.14"E
2	25° 41' 13.59"N	89° 56' 25.07"E
3	25° 41' 12.04"N	89° 56' 26.23"E
4	25° 41' 11.33"N	89° 56' 24.67"E
5	25° 41' 09.85"N	89° 56' 23.47"E
6	25° 41' 11.04"N	89° 56' 22.51"E
7	25° 41' 11.71"N	89° 56' 22.07"E
8	25° 41' 12.61"N	89° 56' 21.20"E
9	25° 41' 13.72"N	89° 56' 22.21"E

The proposed land is on lease for a period of 30 years vide Deed of Lease which was executed on the 22<sup>nd</sup> March 2022 and certified by the Notary, West Garo Hills, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No.B/16/VII/NOC/MMMCR/3100-102 dated Tura, the 16<sup>th</sup> August, 2022 and Letter of Intent vide letter No.B/16/VII/469, dated Tura, the 14<sup>th</sup> February, 2023 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/267 dated Williamnagar, the 22<sup>nd</sup> March 2023 which states that there are two (2) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category.





The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Williamnagar vide letter No.DMO-W/MP/89/22/115 dated Williamnagar, the 6<sup>th</sup> December 2022. The Mining Plan has been prepared to extract boulder stone at the rate of 59145.4 TPA with a project cost of Rs. 77 lakhs and the operations will be open cast, mechanized method of mining.

As per the approved mining plan, the estimated life of the mine is 5 years.

In response to the ADS raised by the committee in the 68<sup>th</sup> meeting of the State Expert Appraisal Committee, the project proponent has furnished justification from the Divisional Forest Officer, West & South West Garo Hills (T) Division, Tura vide Memo No. B/16/VII/177 dated Tura, the 1<sup>st</sup> February, 2024 stating that the proposed stone quarry is at a distance of 100 metres from the nearest AMPT road which is at variance with specifications of Meghalaya Minor Minerals Concession Rules, 2016.

### **Recommendation**

In response to the ADS raised by the committee in the 68<sup>th</sup> meeting of the State Expert Appraisal Committee, the project proponent has furnished justification from the Divisional Forest Officer, West & South West Garo Hills (T) Division, Tura vide Memo No. B/16/VII/177 dated Tura, the 1<sup>st</sup> February, 2024 stating that the proposed stone quarry is at a distance of 100 metres from the nearest AMPT road which is at variance with specifications of Meghalaya Minor Minerals Concession Rules, 2016. As such, the committee unanimously recommended for grant of Terms of Reference with the following conditions.

1. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.
2. LOI ought to be renewed as the validity has expired.
3. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
4. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.



5. Plagiarism check certificate for EIA/EMP report has to be furnished.
6. Source of data taken from external sources is to be mentioned clearly.

The meeting ended with a vote of thanks to the chair.



Chairman

State Expert Appraisal Committee  
Meghalaya, Shillong.